

FIGURE 1A**NUCLEOTIDE SEQUENCE OF NS2/3 (810-1206) ST (SEQ ID. NO. 1)**

atggaccggg agatggctgc atcggtcgga ggccgcgttt tcataaggct tgcaacttgc
 accttgtcac catactataa atgtgctcctc gctaggctca tatgggtgtt acatgttta
 atcaccagag tcgaggcgca cttgcacgtg tggatccccct ctctcaatgt tcggggaggc
 cgcgatgcca tcatcccttc cacgtgcgcgatccaccacccatggcataaccaaagtgcgcgtac
 aaactctgtcgccatattcggccatgttgcgtccaggcaggcataaccaaagtgcgcgtac
 ttcgtgcgtg cgcaagggtt cattcgtcg tttatgttg tgccggaaaggc tgccgggggtt
 cattatgtcc aaatggcctt catgaagcta gctgcgtca caggtacgtc cgtttatgtac
 catctactc cattgcagga ttgggcccac gggggcttac gagacccgtc agtggcggtt
 gagcccgatca ttttctctgtt catggaggtt aagatcatca cctggggggc ggacaccggc
 gcatgcgggg acatcattc aggtctgcgc gtttcggcgtca gaagggaaagg gggatactc
 ctgggaccgg ccgataattt tgaaggccag ggttgcggc ttttgcgc catacccggc
 tactcccaac agacacgggg cttacttgcgtt tgcattatca ccagccatcc acggccggac
 aagaacccagg tggagggggg ggttcaaggc gtttccacccg etacaaatc tttcttgcgc
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 caggccccc ctggggccgc ctccatgaca ccatgcacct gggcagtc ggacccttat
 ttggtcaatcg aacatcccg cgtcattccg gtgcgcggc gggggcagac tagggggggc
 ctgtctccccc ccaggccgtt ctctacttg aagggtctt cgggtggccc actgtctgtc
 cttcggggc aegttgtggg catcttccgg gctgtctgtt gcacccgggg ggttgcaaaa
 ggggtggact tcatatctgt tgagtctatg gaaactacca tgcggactag tagcgtttgg
 cgtcaccaccg agttcggtgg t

FIGURE 1B**AMINO ACID SEQUENCE OF NS2/3 (810-1206)-ST (SEQ ID NO. 2)**

MDREMAASCG GAVFIGLALL TLSPIYYKVLL ARLIWWLQYL ITRVEAHLQV WIPPLNVRRG RDAAIILLTCA
 VHPPELIFDIT KLLLAIFGPL MVLQAGITKV PYFVRAQGLI RACMLVRKAA GGHYVQMAFM KLAALTGTYV
 YDHHLTPLQDW AHAGLRLDLV AVEPVIFSDM EVKIIITWGAD TAACGDIISG LPVSARRGRE ILLGPADNFE
 GGGWRLLAPI TAYSQQTRGL LGCITITSLTC RDKNQVEGEV QVVSTATQSF LATCVNGVCW TVFHGAGSKT
 LAGPKGPITQ MYTNVDQDLV GWQAPPGARS MTPCTCGSSD LYLVTRHADV IPVRRRGDSR GSLLSPRPVS
 YLKGSSSGPL LCPSGHAVGI FRAAVCTRGV AKAVDFIPVE SMETTMRTSS AWRHPQFGG

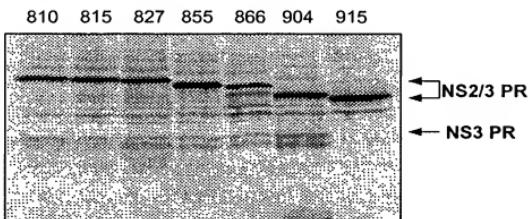
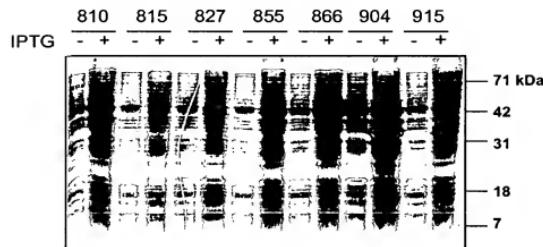
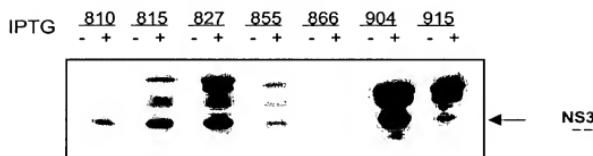
FIGURE 2**A. *in vitro* translated N-terminal deletion mutants****B. *E. coli* expression - SDS-PAGE****C. *E. coli* expression - Immunoblot with anti-NS3**

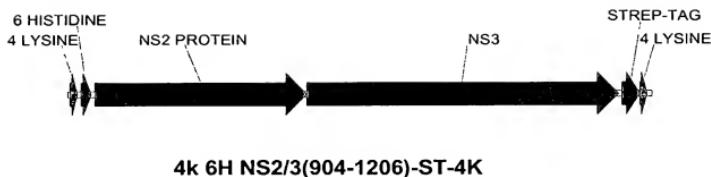
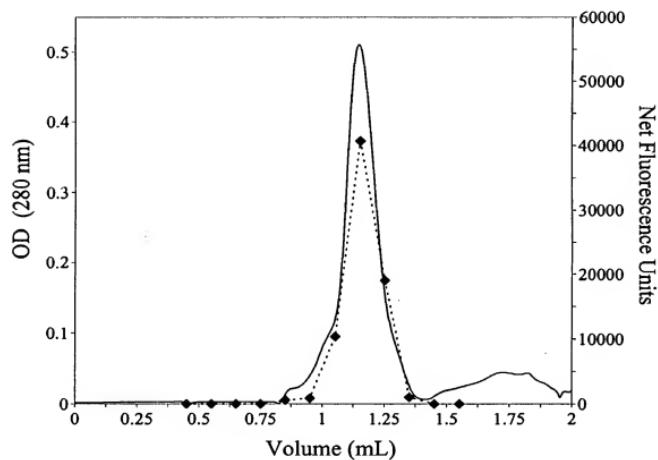
FIGURE 3**FIGURE 4**

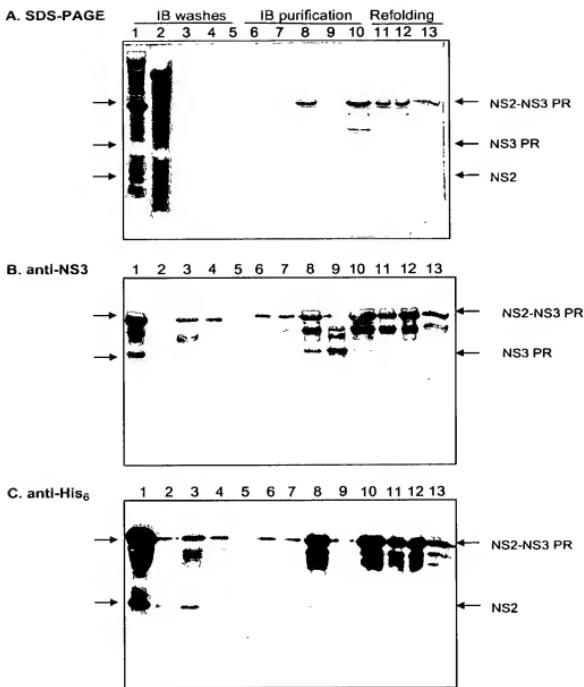
FIGURE 5

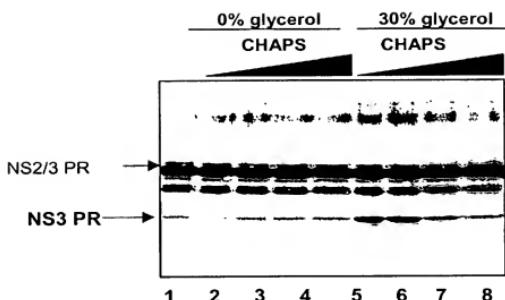
FIGURE 6

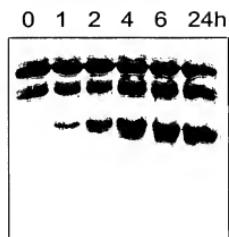
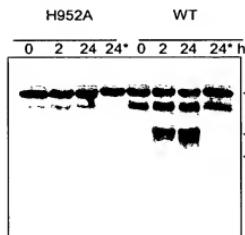
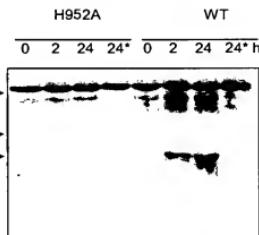
FIGURE 7**A. anti-NS3****B. anti-His₆****FIGURE 8****A. anti-NS3****B. anti-His₆**

FIGURE 9A

**NUCLEOTIDE SEQUENCE OF 4K-6H-NS2/3 (904-1206) ST-4K
(SEQ ID NO. 3)**

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atgaaaaaga aaaagctcg a gcatcaccat caccatcaca ctatgcagg cataaccaa
gtgccgtact tcgtgcgtgc gcggggctc attcgtcggt gtatgttggt gccgaaggct
gcggggggctc attatgtcca aatggcccttc atgaagctag ctgcgtgac aggtacgtac
gtttatgacc atctcactcc attgcggat tggcccaacg cgggcctacg agaccttgc
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gacacggcg catgggggaa catcattca ggtctgccecg ttcggctcg aaggggaaagg
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gttgcggaaaag cgggtggactt cataccttgtt gatgtatgg aaactaccat gcccggactgt
agcgcttggc gtcacccgca gttcggttgtt aaaaagaaaa agtaaggatc c

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FIGURE 9B

**AMINO ACID SEQUENCE OF 4K-6H-NS2/3 (904-1206) ST-4K
(SEQ ID NO. 4)**

MKKKKLEHHHH HHHTSAGITK VPYFVRAQGL IRACMLVRKA AGGHYVQMAF MKLAALTGTY	60
VDHDLTPLQD WAHAGLRDLA VAVEPVIFSD MEVKIITWGA DTAACGDIIS GLPVSARRGR	120
EILLGPAADNF EQQGWRLLIAP ITAYSQQTRG LLGCIITSLT GRDKNQVEGE VQVVSTATQS	180
FLATCVNGVC WTVFHGAGSK TLAGPKGPIT QMYTNVDQDL VGWQAPPGAR SMTPCCTCGSS	240
DLYLVTRHAD VIPVRRRGDS RGSLLSPRPV SYLKGSSSGP LLCPSPGHAVG IFRAAVCTRG	300
VAKAVDFIPV ESMETTMRITS SAWRHPQFGG KKKK	337

FIGURE 10

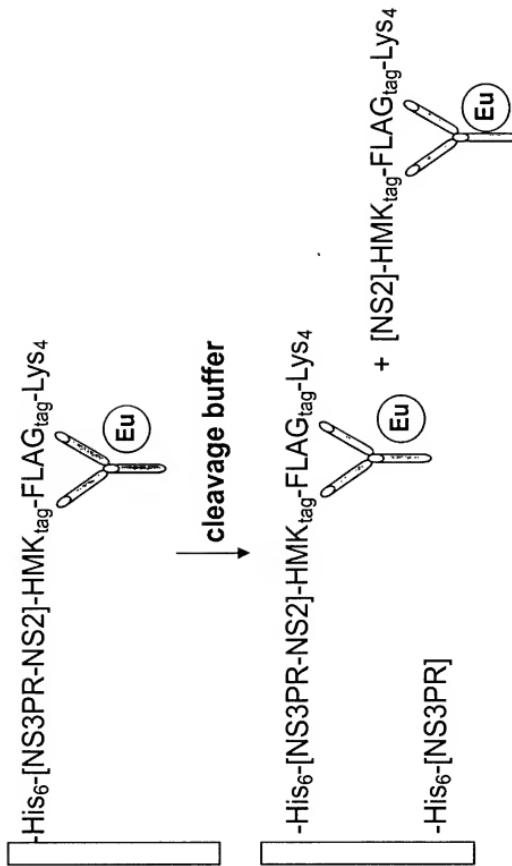


FIGURE 11

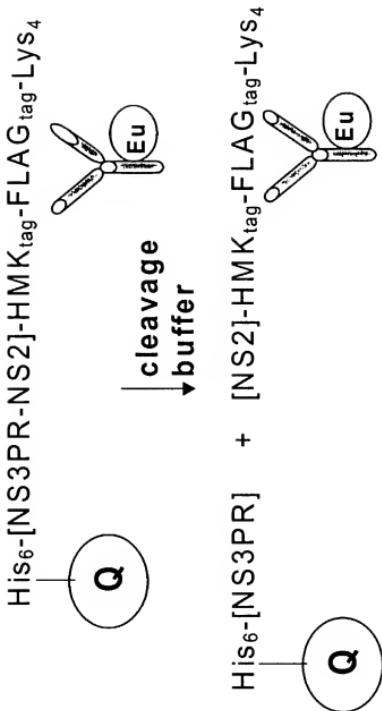


FIGURE 12

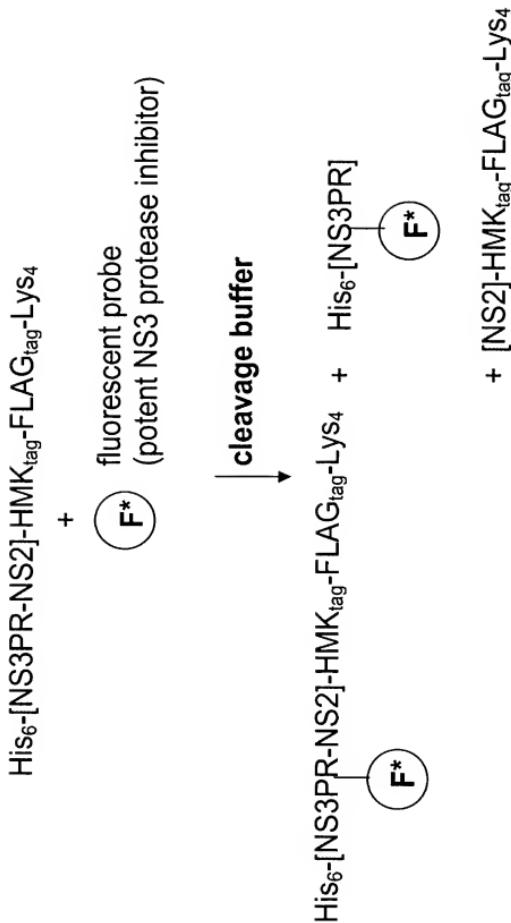


FIGURE 13

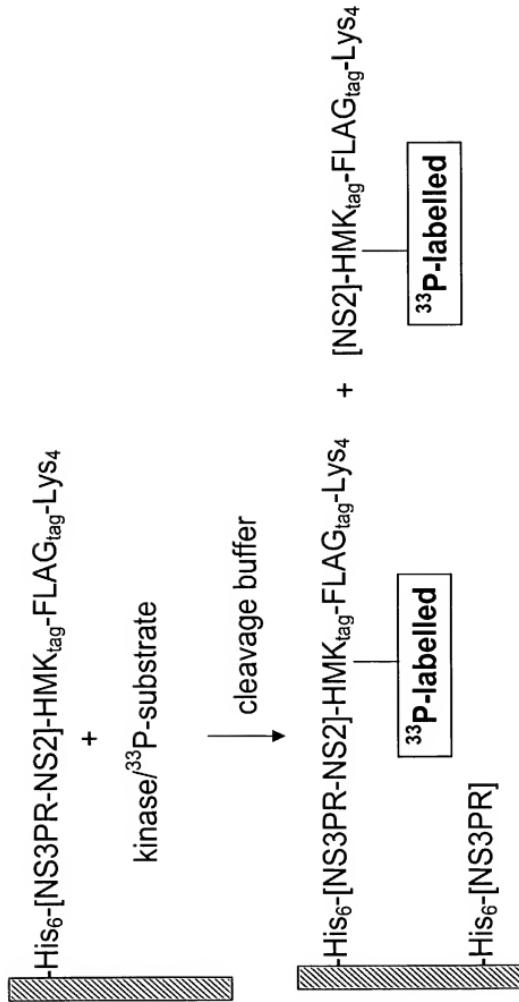


FIGURE 14

